

Connectors for Thermocouples and Resistance Thermometers



The Labfacility Collection

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 **LABFACILITY**
TEMPERATURE & PROCESS TECHNOLOGY

A comprehensive family of miniature and standard connectors, accessories, panels, terminal and barrier blocks; all manufactured by Labfacility at our Bognor Regis UK site.

See our thermocouple connector manufacturing video on our [YouTube](#) page and on our Corporate website www.labfacility.com

- Miniature and standard connectors
- Compensated connections ensure high accuracy
- Types K, J, T, E, N, R/S or Copper Copper
- Colour coding ensures clear identification (IEC, ANSI & JIS available)
- Compatible with all other makes of equivalent connectors
- Polarised connector pins guarantee correct polarity
- Withstand high temperature, 220°C continuous
- Rugged construction
- British made, our own design and manufacture
- In line or panel mounting connectors, single or multi-way
- Inexpensive
- Available from stock
- PCB mounting available
- Duplex versions available
- Wide range of accessories available
- Barrier terminal strips

Thermocouple & Resistance Thermometer Sensors

Labfacility is the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971, is ISO 9001 accredited, we have two UK sites – West Sussex and South Yorkshire and exports to over 85 countries. In addition to the stocked items, Labfacility also offers bespoke Temperature Sensors.

Quality and Service are key elements in the continued growth of Labfacility; technical support for both sensing and instrumentation is always freely available from our experienced technical sales teams.

See our product and manufacturing videos on



1000's of products are available to buy online for immediate despatch world-wide

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Temperature sensors, thermocouple connectors & cables are available in IEC, ANSI & JIS colour codes

ALL CONNECTORS FOR TYPE K, J, T, E AND N USE TRUE THERMOCOUPLE ALLOYS



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Due to their location in often adverse environments such as hot working zones of furnaces and machinery, temperature sensors are liable to corrosion and mechanical damage. The need for occasional replacement is inevitable and the use of suitable connectors permits error-free fast, positive and reliable interchange with no risk of dangerous cross connection.

These thermocouple plugs and sockets have a technical and practical advantage over other types when terminating thermocouple wires or compensating cable in a wide variety of sizes. The wires are sandwiched between plates of thermocouple compatible material with a clamping screw, accommodating from very fine wires to stranded cables (up to 0.75mm²).

The connectors are colour coded and polarised and will mate with other makes of plugs and sockets. They can be mounted directly on to sheaths of up to 3mm diameter in the case of the miniature version or 1/4" (6.35mm) with the standard version by means of the brass bush available.

The sockets can be supplied as in-line or panel mounting versions with rectangular or circular fascias. The connectors are ruggedly made of glass filled thermoplastic for reliable operation up to 220°C sustained temperature.

The use of thermocouple compatible material eliminates measurement error due to the interconnection and the bright ISA colour coded body ensures clear identity of the type of thermocouple in use. Special body colours are available to order.

Thermocouple Connectors in IEC Calibration

Miniature Thermocouple Connectors, IEC

Miniature Thermocouple Plug IEC



- Miniature connector with flat plug pins
- Contacts are polarised to prevent incorrect connection
- Connectors will accept thermocouple cable up to 4mm diameter
- Cable clamps available for securing cable to plugs
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-M	XE-1100-001
J IEC		IM-J-M	XE-1160-001
T IEC		IM-T-M	XE-1190-001
N IEC		IM-N-M	XE-1250-001
R/S IEC		IM-R/S-M	XE-1290-001
B IEC		IM-B-M	XE-1350-001
E IEC		IM-E-M	XE-1330-001
Cu		FMTCCU-M	XE-1370-001

Miniature Quick Wire Thermocouple Plug IEC



- Miniature connector with flat plug pins
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-MQ	XE-1111-001
J IEC		IM-J-MQ	XE-1171-001
T IEC		IM-T-MQ	XE-1201-001
N IEC		IM-N-MQ	XE-1261-001
R/S IEC		IM-R/S-MQ	XE-1301-001
B IEC		IM-B-MQ	XE-1361-001
E IEC		IM-E-MQ	XE-1341-001
Cu		FMTCCU-MQ	XE-1381-001

Miniature Thermocouple In-Line Socket IEC



- Miniature socket with thermocouple contacts
- Socket ideal for general purpose use
- Contacts are polarised to prevent incorrect connection
- Cable clamps available for securing cable to sockets
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-FS	XE-1102-001
J IEC		IM-J-FS	XE-1162-001
T IEC		IM-T-FS	XE-1192-001
N IEC		IM-N-FS	XE-1252-001
R/S IEC		IM-R/S-FS	XE-1292-001
B IEC		IM-B-FS	XE-1352-001
E IEC		IM-E-FS	XE-1332-001
Cu		FMTCCU-FS	XE-1372-001

Miniature Quick Wire Thermocouple Socket IEC



- Miniature socket with thermocouple contacts
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Will accept wide range of wire sizes
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C
- Compatible with the other miniature plugs and sockets

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-FQ	XE-1112-001
J IEC		IM-J-FQ	XE-1172-001
T IEC		IM-T-FQ	XE-1202-001
N IEC		IM-N-FQ	XE-1262-001
R/S IEC		IM-R/S-FQ	XE-1302-001
B IEC		IM-B-FQ	XE-1362-001
E IEC		IM-E-FQ	XE-1342-001
Cu		FMTCCU-FQ	XE-1382-001

Miniature Thermocouple Connector Plug & Socket IEC



- Miniature in-line pair with flat pins
- Contacts are polarised to prevent incorrect connection
- Connectors will accept thermocouple cable up to 4mm diameter
- Cable clamps available for securing cable to plugs & sockets
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-M+FS	XE-1105-001
T IEC		IM-T-M+FS	XE-1195-001

Miniature Rectangular Fascia Socket IEC



- Panel mounting
- Clip for quick, simple fixing to panel
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-FF	XE-1107-001
J IEC		IM-J-FF	XE-1167-001
T IEC		IM-T-FF	XE-1197-001
N IEC		IM-N-FF	XE-1257-001
R/S IEC		IM-R/S-FF	XE-1297-001
B IEC		IM-B-FF	XE-1357-001
E IEC		IM-E-FF	XE-1337-001
Cu		FMTCCU-FF	XE-1377-001

Miniature Thermocouple Connectors, IEC

Miniature Panel Mount Socket with Stainless Steel Bracket IEC



- Durable panel fitting
- Stainless steel bracket simply fitted to connector
- Fully enclosed terminals with cable port seal
- Quick, simple fixing to panel
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-SSPF	XE-1108-001
J IEC		IM-J-SSPF	XE-1168-001
T IEC		IM-T-SSPF	XE-1198-001
N IEC		IM-N-SSPF	XE-1258-001
R/S IEC		IM-R/S-SSPF	XE-1298-001
B IEC		IM-B-SSPF	XE-1358-001
E IEC		IM-E-SSPF	XE-1338-001
Cu		FMTC-CU-SSPF	XE-1378-001

Miniature Quick Wire Panel Mount Socket with Stainless Steel Bracket IEC



- Miniature size sockets supplied with stainless steel brackets
- Allow reliable, rugged fitting into panel
- Quick, simple fixing to panel

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-SSPFQ	XE-1106-001
J IEC		IM-J-SSPFQ	XE-1166-001
T IEC		IM-T-SSPFQ	XE-1196-001
N IEC		IM-N-SSPFQ	XE-1256-001
R/S IEC		IM-R/S-SSPFQ	XE-1296-001
B IEC		IM-B-SSPFQ	XE-1356-001
E IEC		IM-E-SSPFQ	XE-1336-001

PCB Mounting Thermocouple Socket IEC



- Versatile, high quality circuit board mounting miniature socket
- Specially designed for PCBs
- Solid pins for direct board mounting
- Provision for CJC sensor
- Compatible with flow solder assembly
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IM-K-PCB	XE-1109-001
J IEC		IM-J-PCB	XE-1169-001
T IEC		IM-T-PCB	XE-1199-001
N IEC		IM-N-PCB	XE-1259-001
R/S IEC		IM-R/S-PCB	XE-1299-001
B IEC		IM-B-PCB	XE-1359-001
E IEC		IM-E-PCB	XE-1339-001
CU IEC		FMTC-CU-PCB	XE-1379-001

Miniature Thermocouple Plug & In-Line Socket (Hi-Temp Plastic 425C)



- High temperature for use up to 425°C
- All connectors have type identification on body
- Heavy duty plastic body
- Contacts are polarised to prevent incorrect connection
- Colour - Brown

Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	MTC-K-M-HTP	XE-1156-001
PLUG	J	MTC-J-M-HTP	XE-1186-001
SOCKET	K	MTC-K-F-HTP	XE-1157-001
SOCKET	J	MTC-J-F-HTP	XE-1187-001

Miniature High-Temp (650C) Ceramic Thermocouple Connectors



- Heavy Duty Ceramic Body for use up to 650°C
- All connectors are coloured White with dot colour coding on body
- Can be used with wires up to 0.8mm diameter
- For types R, S & B compensating alloys limit the maximum usable temperature to 260°C

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K IEC		IM-K-M-HTC	XE-1113-001
PLUG	J IEC		IM-J-M-HTC	XE-1173-001
PLUG	T IEC		IM-T-M-HTC	XE-1203-001
PLUG	N IEC		IM-N-M-HTC	XE-1263-001
PLUG	R/S IEC		IM-R/S-M-HTC	XE-1303-001
PLUG	B IEC		IM-B-M-HTC	XE-1363-001
PLUG	E IEC		IM-E-M-HTC	XE-1343-001
SOCKET	K IEC		IM-K-F-HTC	XE-1114-001
SOCKET	J IEC		IM-J-F-HTC	XE-1174-001
SOCKET	T IEC		IM-T-F-HTC	XE-1204-001
SOCKET	N IEC		IM-N-F-HTC	XE-1264-001
SOCKET	R/S IEC		IM-R/S-F-HTC	XE-1304-001
SOCKET	B IEC		IM-B-F-HTC	XE-1364-001
SOCKET	E IEC		IM-E-F-HTC	XE-1344-001

Thermocouple Connectors in IEC Calibration

Standard Thermocouple Connectors, IEC

Standard Thermocouple Plug IEC



- Standard connector with solid, round plug pins
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-M	XE-1400-001
J IEC		IS-J-M	XE-1460-001
T IEC		IS-T-M	XE-1490-001
N IEC		IS-N-M	XE-1550-001
R/S IEC		IS-R/S-M	XE-1590-001
B IEC		IS-B-M	XE-1650-001
E IEC		IS-E-M	XE-1630-001
Cu		FSTC-CU-M	XE-1670-001

Standard Quick Wire Thermocouple Plug IEC



- Standard connector with solid round plug pins
- Easy 'jab-in' connection for rapid termination, just push wire in and tighten screw
- Contacts are polarised to prevent incorrect connection
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Maximum continuous temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-MQ	XE-1411-001
J IEC		IS-J-MQ	XE-1471-001
T IEC		IS-T-MQ	XE-1501-001
N IEC		IS-N-MQ	XE-1561-001
R/S IEC		IS-R/S-MQ	XE-1601-001
B IEC		IS-B-MQ	XE-1661-001
E IEC		IS-E-MQ	XE-1641-001
Cu		FSTC-CU-MQ	XE-1681-001

Standard Thermocouple In-Line Socket IEC



- Standard sized in-line thermocouple socket with connections to suit thermocouple type being used
- Accepts standard round plug pins
- Suitable for industrial applications
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Contacts are polarised to prevent incorrect connection
- Colour coded in accordance with IEC specification
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-F	XE-1402-001
J IEC		IS-J-F	XE-1462-001
T IEC		IS-T-F	XE-1492-001
N IEC		IS-N-F	XE-1552-001
R/S IEC		IS-R-F	XE-1592-001
B IEC		IS-B-F	XE-1652-001
E IEC		IS-E-F	XE-1632-001
Cu		FSTC-CU-F	XE-1672-001

Standard Quick Wire Thermocouple Socket IEC



- Standard in-line quick wire socket allowing rapid termination of wires
- Easy 'jab-in' connection, just push-in wire & tighten screw
- Accepts standard round plug pins
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Contacts are polarised to prevent incorrect connection
- Colour coded in accordance with IEC specification
- Maximum continuous temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-FQ	XE-1412-001
J IEC		IS-J-FQ	XE-1472-001
T IEC		IS-T-FQ	XE-1502-001
N IEC		IS-N-FQ	XE-1562-001
R/S IEC		IS-R/S-FQ	XE-1602-001
B IEC		IS-B-FQ	XE-1662-001
E IEC		IS-E-FQ	XE-1642-001
Cu		FSTC-CU-FQ	XE-1682-001

Standard Thermocouple Connectors, IEC

Standard Rectangular Fascia Socket IEC



- Standard thermocouple fascia mounting socket with clip
- Panel mounting
- Accepts standard round pin plug connectors
- Nylon clip for quick, simple fixing to panel
- All fascia mounting sockets are polarised by means of unequally sized pins
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-FF	XE-1407-001
J IEC		IS-J-FF	XE-1467-001
T IEC		IS-T-FF	XE-1497-001
N IEC		IS-N-FF	XE-1557-001
R/S IEC		IS-R/S-FF	XE-1597-001
B IEC		IS-B-FF	XE-1657-001
E IEC		IS-E-FF	XE-1637-001
Cu		FSTC-CU-FF	XE-1677-001

Standard Panel Mount with Stainless Steel Bracket IEC



- Standard size in-line Thermocouple Socket with stainless steel panel mounting bracket
- Range of aluminium faceplates (see accessories below)
- Intended for use in more industrial processes but can be used in all applications as desired
- Available in Thermocouple types K, J, T, E, N, R/S & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-SSPF	XE-1408-001
J IEC		IS-J-SSPF	XE-1468-001
T IEC		IS-T-SSPF	XE-1498-001
N IEC		IS-N-SSPF	XE-1558-001
R/S IEC		IS-R/S-SSPF	XE-1598-001
B IEC		IS-B-SSPF	XE-1658-001
E IEC		IS-E-SSPF	XE-1638-001

Standard Quick Wire Panel Mount with Stainless Steel Bracket



- Standard size sockets supplied with stainless steel brackets
- Easy 'jab-in' connection, just push wire in & tighten screw
- Range of aluminium faceplates
- Intended for use in more industrial processes but can be used in all applications as desired
- Available in Thermocouple types K, J, T, E, N, R/S & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys

- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-SSPFQ	XE-1409-001
J IEC		IS-J-SSPFQ	XE-1469-001
T IEC		IS-T-SSPFQ	XE-1499-001
N IEC		IS-N-SSPFQ	XE-1559-001
R/S IEC		IS-R/S-SSPFQ	XE-1599-001
B IEC		IS-B-SSPFQ	XE-1659-001
E IEC		IS-E-SSPFQ	XE-1639-001

Standard Thermocouple Plugs & Sockets - Duplex IEC



- Duplex (2-channel) standard connector with solid, round plug pins
- Bodies supplied coloured black with spacer in IEC colour coding
- Plugs fitted with solid thermocouple pins
- Rugged glass filled polyester bodies
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Available in Thermocouple types K, J, T, E, N, R/S, CU & B
- For Types K, J, T, E & N contacts are made from true Thermocouple alloys
- R/S type has compensating copper/copper nickel alloy contacts (for R or S Type Thermocouples)
- B type has compensating copper/copper contacts (for B Type Thermocouples)
- Colour coded in accordance with IEC specification
- Maximum continuous operating temperature 220°C

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K IEC		IS-K-MD	XE-1416-001
PLUG	J IEC		IS-J-MD	XE-1476-001
PLUG	T IEC		IS-T-MD	XE-1506-001
PLUG	N IEC		IS-N-MD	XE-1566-001
PLUG	R/S IEC		IS-R/S-MD	XE-1606-001
PLUG	B IEC		IS-B-MD	XE-1666-001
PLUG	E IEC		IS-E-MD	XE-1646-001
PLUG	Cu		FSTC-CU-MD	XE-1686-001
SOCKET	K IEC		IS-K-FD	XE-1417-001
SOCKET	J IEC		IS-J-FD	XE-1477-001
SOCKET	T IEC		IS-T-FD	XE-1507-001
SOCKET	N IEC		IS-N-FD	XE-1567-001
SOCKET	R/S IEC		IS-R/S-FD	XE-1607-001
SOCKET	B IEC		IS-B-FD	XE-1667-001
SOCKET	E IEC		IS-E-FD	XE-1647-001
SOCKET	Cu		FSTC-CU-FD	XE-1687-001

Thermocouple Connectors in IEC Calibration

Standard Thermocouple Connectors, IEC

Standard Thermocouple Plug & In-Line Socket
(Hi-Temp Plastic 425C)



- Available in Standard format
- High temperature for use up to 425°C
- Heavy duty plastic body
- Standard size to match with round pin plug
- Contacts are polarised to prevent incorrect connection
- Colour: Brown

Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	STC-K-M-HTP	XE-1420-001
PLUG	J	STC-J-M-HTP	XE-1486-001
PLUG	N	STC-N-M-HTP	XE-1568-001
PLUG	R/S	STC-R/S-M-HTP	XE-1608-001
SOCKET	K	STC-K-F-HTP	XE-1422-001
SOCKET	J	STC-J-F-HTP	XE-1487-001
SOCKET	N	STC-N-F-HTP	XE-1569-001
SOCKET	R/S	STC-R/S-F-HTP	XE-1609-001

Standard High Temperature (650C) Ceramic Thermocouple Connectors



- Heavy Duty Ceramic Body for use up to 650°C
- Plugs fitted with solid thermocouple pins
- All connectors supplied coloured white with IEC coloured dot on body
- For type R/S, compensating alloys limit the maximum usable temperature to 260°C

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K IEC		IS-K-M-HTC	XE-1413-001
PLUG	J IEC		IS-J-M-HTC	XE-1473-001
PLUG	T IEC		IS-T-M-HTC	XE-1503-001
PLUG	N IEC		IS-N-M-HTC	XE-1563-001
PLUG	R/S IEC		IS-R/S-M-HTC	XE-1603-001
PLUG	E IEC		IS-E-M-HTC	XE-1643-001
SOCKET	K IEC		IS-K-F-HTC	XE-1414-001
SOCKET	J IEC		IS-J-F-HTC	XE-1474-001
SOCKET	T IEC		IS-T-F-HTC	XE-1504-001
SOCKET	N IEC		IS-N-F-HTC	XE-1564-001
SOCKET	R/S IEC		IS-R/S-F-HTC	XE-1604-001
SOCKET	E IEC		IS-E-F-HTC	XE-1644-001

Barrier Terminal Block IEC



- Colour coded barrier terminal blocks
- Supplied in single, interlocking pairs
- Connections in thermocouple material
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K IEC		IS-K-BTS	XE-1940-001
J IEC		IS-J-BTS	XE-1942-001
T IEC		IS-T-BTS	XE-1941-001
R/S IEC		IS-R/S-BTS	XE-1943-001
Cu		IS-CU-BTS	XE-1944-001

Miniature Thermocouple Connectors, ANSI

Miniature Thermocouple Plug ANSI



- Miniature connector with flat plug pins
- Contacts are polarised to prevent incorrect connection
- Connectors will accept thermocouple cable up to 4mm diameter
- Cable clamps available for securing cable to plugs
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AM-K-M	XE-1130-001
J ANSI		AM-J-M	XE-9060-001
T ANSI		AM-T-M	XE-1220-001
N ANSI		AM-N-M	XE-1270-001
R/S ANSI		AM-R/S-M	XE-1310-001
B ANSI		AM-B-M	XE-9000-001
E ANSI		AM-E-M	XE-9030-001
Cu		FMTC-CU-M	XE-1370-001

Miniature Quick Wire Thermocouple Plug ANSI



- Miniature connector with flat plug pins
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C
- Compatible with the other miniature plugs & sockets

Calibration Type	Colour	Product Code	Part Number
K ANSI		AM-K-MQ	XE-1141-001
J ANSI		AM-J-MQ	XE-9071-001
T ANSI		AM-T-MQ	XE-1231-001
R/S ANSI		AM-R/S-MQ	XE-1321-001
N ANSI		AM-N-MQ	XE-1281-001
B ANSI		AM-B-MQ	XE-9011-001
E ANSI		AM-E-MQ	XE-9041-001
Cu		FMTC-CU-MQ	XE-1381-001

Miniature Thermocouple In-Line Socket ANSI



- Miniature socket with thermocouple contacts
- Socket ideal for general purpose use
- Contacts are polarised to prevent incorrect connection
- Cable clamps available for securing cable to sockets
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AM-K-FS	XE-1132-001
J ANSI		AM-J-FS	XE-9062-001
T ANSI		AM-T-FS	XE-1222-001
N ANSI		AM-N-FS	XE-1272-001
R/S ANSI		AM-R/S-FS	XE-1312-001
B ANSI		AM-B-FS	XE-9002-001
E ANSI		AM-E-FS	XE-9032-001
Cu		FMTC-CU-FS	XE-1372-001

Miniature Quick Wire Thermocouple Socket ANSI



- Miniature socket with thermocouple contacts
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AM-K-FQ	XE-1142-001
J ANSI		AM-J-FQ	XE-9072-001
T ANSI		AM-T-FQ	XE-1232-001
N ANSI		AM-N-FQ	XE-1282-001
R/S ANSI		AM-R/S-FQ	XE-1322-001
B ANSI		AM-B-FQ	XE-9012-001
E ANSI		AM-E-FQ	XE-9042-001
Cu		FMTC-CU-FQ	XE-1382-001

Miniature Thermocouple Connector Plug & Socket ANSI



- Miniature in-line pair with flat pins
- Contacts are polarised to prevent incorrect connection
- Connectors will accept thermocouple cable up to 4mm diameter
- Max temperature 220°C
- Cable clamps available for securing cable to plugs & sockets

Calibration Type	Colour	Product Code	Part Number
K ANSI		FMTC-K-M+FS	XE-1135-001
T ANSI		FMTC-T-M+FS	XE-1225-001

Miniature Rectangular Fascia Socket ANSI



- Panel mounting
- Clip for quick, simple fixing to panel
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AM-K-FF	XE-1137-001
J ANSI		AM-J-FF	XE-9067-001
T ANSI		AM-T-FF	XE-1227-001
N ANSI		AM-N-FF	XE-1277-001
R/S ANSI		AM-R/S-FF	XE-1317-001
B ANSI		AM-B-FF	XE-9007-001
E ANSI		AM-E-FF	XE-9037-001
Cu		FMTC-CU-FF	XE-1377-001

Thermocouple Connectors in ANSI Calibration

Miniature Thermocouple Connectors, ANSI

Miniature Panel Mount with Stainless Steel Bracket ANSI



- Durable panel fitting
- Stainless steel bracket simply fitted to connector
- Fully enclosed terminals with cable port seal
- Quick, simple fixing to panel
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AM-K-SSPF	XE-1138-001
J ANSI	J	AM-J-SSPF	XE-9068-001
T ANSI	T	AM-T-SSPF	XE-1228-001
N ANSI	N	AM-N-SSPF	XE-1278-001
R/S ANSI	R/S	AM-R/S-SSPF	XE-1318-001
B ANSI	B	AM-B-SSPF	XE-9008-001
E ANSI	E	AM-E-SSPF	XE-9038-001
Cu	Cu	FMT-CU-SSPF	XE-1378-001

Miniature Quick Wire Panel Mount – Stainless Steel Bracket ANSI



- Miniature size sockets supplied with stainless steel brackets
- Allows reliable, rugged fitting into panel
- Quick, simple fixing to panel
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AM-K-SSPFQ	XE-1136-001
J ANSI	J	AM-J-SSPFQ	XE-9066-001
T ANSI	T	AM-T-SSPFQ	XE-1226-001
R/S ANSI	R/S	AM-R/S-SSPFQ	XE-1316-001
N ANSI	N	AM-N-SSPFQ	XE-1276-001
B ANSI	B	AM-B-SSPFQ	XE-9006-001
E ANSI	E	AM-E-SSPFQ	XE-9036-001

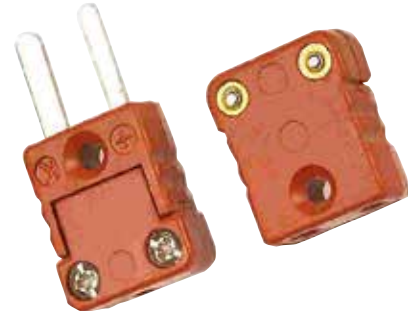
PCB Mounting Thermocouple Socket ANSI



- Versatile, high quality circuit board mounting miniature socket
- Specially designed for PCBs
- Solid pins for direct board mounting
- Provision for CJC sensor
- Compatible with flow solder assembly
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AM-K-PCB	XE-1139-001
J ANSI	J	AM-J-PCB	XE-9069-001
T ANSI	T	AM-T-PCB	XE-1229-001
N ANSI	N	AM-N-PCB	XE-1279-001
R/S ANSI	R/S	AM-R/S-PCB	XE-1319-001
B ANSI	B	AM-B-PCB	XE-9009-001
E ANSI	E	AM-E-PCB	XE-9039-001
Cu	Cu	FMT-CU-PCB	XE-1379-001

Miniature Thermocouple Plug & In-Line Socket (Hi-Temp Plastic 425C)



- High temperature for use up to 425°C
- All connectors have type identification on body
- Heavy duty plastic body
- Miniature size to match with flat pin plug
- Contacts are polarised to prevent incorrect connection
- Colour – Brown

Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	MTC-K-M-HTP	XE-1156-001
PLUG	J	MTC-J-M-HTP	XE-1186-001
SOCKET	K	MTC-K-F-HTP	XE-1157-001
SOCKET	J	MTC-J-F-HTP	XE-1187-001

Miniature High-Temp (650C) Ceramic Thermocouple Connectors ANSI



- Heavy Duty Ceramic Body for use up to 650°C
- All connectors are coloured White with dot colour coding on body.
- Can be used with wires up to 0.8mm diameter
- For types R, S & B compensating alloys limit the maximum usable temperature to 260°C

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K ANSI	K	AM-K-M-HTC	XE-1143-001
PLUG	J ANSI	J	AM-J-M-HTC	XE-9073-001
PLUG	T ANSI	T	AM-T-M-HTC	XE-1233-001
PLUG	N ANSI	N	AM-N-M-HTC	XE-1283-001
PLUG	R/S ANSI	R/S	AM-R/S-M-HTC	XE-1323-001
PLUG	E ANSI	E	AM-E-M-HTC	XE-9043-001
SOCKET	K ANSI	K	AM-K-F-HTC	XE-1144-001
SOCKET	J ANSI	J	AM-J-F-HTC	XE-9074-001
SOCKET	T ANSI	T	AM-T-F-HTC	XE-1234-001
SOCKET	N ANSI	N	AM-N-F-HTC	XE-1284-001
SOCKET	R/S ANSI	R/S	AM-R/S-F-HTC	XE-1324-001
SOCKET	E ANSI	E	AM-E-F-HTC	XE-9044-001

Standard Thermocouple Connectors, ANSI

Standard Thermocouple Plug ANSI



- Standard connector with solid, round plug pins
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-M	XE-1430-001
J ANSI	J	AS-J-M	XE-9130-001
T ANSI	T	AS-T-M	XE-1520-001
N ANSI	N	AS-N-M	XE-1570-001
R/S ANSI	R/S	AS-R/S-M	XE-1610-001
B ANSI	B	AS-B-M	XE-9090-001
E ANSI	E	AS-E-M	XE-9110-001
Cu	CU	FSTC-CU-M	XE-1670-001

Standard Quick Wire Thermocouple Socket ANSI



- Standard socket with thermocouple contacts
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Will accept wide range of wire sizes
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-FQ	XE-1442-001
J ANSI	J	AS-J-FQ	XE-9142-001
T ANSI	T	AS-T-FQ	XE-1532-001
N ANSI	N	AS-N-FQ	XE-1582-001
R/S ANSI	R/S	AS-R/S-FQ	XE-1622-001
B ANSI	B	AS-B-FQ	XE-9102-001
E ANSI	E	AS-E-FQ	XE-9122-001
Cu	CU	FSTC-CU-FQ	XE-1682-001

Standard Thermocouple In-Line Socket ANSI



- Standard socket with thermocouple contacts
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-F	XE-1432-001
J ANSI	J	AS-J-F	XE-9132-001
T ANSI	T	AS-T-F	XE-1522-001
N ANSI	N	AS-N-F	XE-1572-001
R/S ANSI	R/S	AS-R/S-F	XE-1612-001
B ANSI	B	AS-B-F	XE-9092-001
E ANSI	E	AS-E-F	XE-9112-001
Cu	CU	FSTC-CU-F	XE-1672-001

Standard Rectangular Fascia Socket ANSI



- Panel mounting
- Clip for quick, simple fixing to panel
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-FF	XE-1437-001
J ANSI	J	AS-J-FF	XE-9137-001
T ANSI	T	AS-T-FF	XE-1527-001
N ANSI	N	AS-N-FF	XE-1577-001
R/S ANSI	R/S	AS-R/S-FF	XE-1617-001
B ANSI	B	AS-B-FF	XE-9097-001
E ANSI	E	AS-E-FF	XE-9117-001
Cu	CU	FSTC-CU-FF	XE-1677-001

Standard Quick Wire Thermocouple Plug ANSI



- Standard connector with solid, round plug pins
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-MQ	XE-1441-001
J ANSI	J	AS-J-MQ	XE-9141-001
T ANSI	T	AS-T-MQ	XE-1531-001
N ANSI	N	AS-N-MQ	XE-1581-001
R/S ANSI	R/S	AS-R/S-MQ	XE-1621-001
B ANSI	B	AS-B-MQ	XE-9101-001
E ANSI	E	AS-E-MQ	XE-9121-001
Cu	CU	IS-CU-MQ	XE-1681-001

Standard Panel Mount with Stainless Steel Bracket ANSI



- Durable panel mounting
- Stainless steel bracket simply fitted to connector
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI	K	AS-K-SSPF	XE-1438-001
J ANSI	J	AS-J-SSPF	XE-9138-001
T ANSI	T	AS-T-SSPF	XE-1528-001
N ANSI	N	AS-N-SSPF	XE-1578-001
R/S ANSI	R/S	AS-R/S-SSPF	XE-1618-001
B ANSI	B	AS-B-SSPF	XE-9098-001
E ANSI	E	AS-E-SSPF	XE-9118-001

Thermocouple Connectors in ANSI Calibration

Standard Thermocouple Connectors, ANSI

Standard Quick Wire Panel Mount with Stainless Steel Bracket ANSI



- Standard size sockets supplied with stainless steel brackets
- Allows reliable, rugged fitting into panel
- Quick, simple fixing to panel
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AS-K-SSPFQ	XE-1439-001
J ANSI		AS-J-SSPFQ	XE-9139-001
T ANSI		AS-T-SSPFQ	XE-1529-001
R/S ANSI		AS-R/S-SSPFQ	XE-1619-001
N ANSI		AS-N-SSPFQ	XE-1579-001
B ANSI		AS-B-SSPFQ	XE-9099-001
E ANSI		AS-E-SSPFQ	XE-9119-001

Standard Thermocouple Plugs & Sockets – Duplex ANSI



- Duplex (2-channel) standard connector with solid, round plug pins
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K ANSI		AS-K-MD	XE-1446-001
PLUG	J ANSI		AS-J-MD	XE-9146-001
PLUG	T ANSI		AS-T-MD	XE-1536-001
PLUG	N ANSI		AS-N-MD	XE-1586-001
PLUG	R/S ANSI		AS-R/S-MD	XE-1626-001
PLUG	B ANSI		AS-B-MD	XE-9106-001
PLUG	E ANSI		AS-E-MD	XE-9126-001
PLUG	Cu		FSTC-CU-MD	XE-1686-001
SOCKET	K ANSI		AS-K-FD	XE-1447-001
SOCKET	J ANSI		AS-J-FD	XE-9147-001
SOCKET	T ANSI		AS-T-FD	XE-1537-001
SOCKET	N ANSI		AS-N-FD	XE-1587-001
SOCKET	R/S ANSI		AS-R/S-FD	XE-1627-001
SOCKET	B ANSI		AS-B-FD	XE-9107-001
SOCKET	E ANSI		AS-E-FD	XE-9127-001
SOCKET	Cu		FSTC-CU-FD	XE-1687-001

Standard Thermocouple Plug & In-Line Socket (Hi-Temp Plastic 425C)



- Available in Standard format
- High temperature for use up to 425°C
- Heavy duty plastic body
- Standard size to match with round pin plug
- Contacts are polarised to prevent incorrect connection
- Colour: Brown

Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	STC-K-M-HTP	XE-1420-001
PLUG	J	STC-J-M-HTP	XE-1486-001
PLUG	N	STC-N-M-HTP	XE-1568-001
PLUG	R/S	STC-R/S-M-HTP	XE-1608-001
SOCKET	K	STC-K-F-HTP	XE-1422-001
SOCKET	J	STC-J-F-HTP	XE-1487-001
SOCKET	N	STC-N-F-HTP	XE-1569-001
SOCKET	R/S	STC-R/S-F-HTP	XE-1609-001

Standard High Temperature (650C) Ceramic Thermocouple Connectors ANSI



- Heavy Duty Ceramic Body for use up to 650°C
- Plugs fitted with solid thermocouple pins
- All connectors supplied coloured white with ANSI coloured dot on body
- For type R/S, compensating alloys limit the maximum usable temperature to 260°C

Type	Colour	Calibration Type	Product Code	Part Number
PLUG		K ANSI	AS-K-M-HTC	XE-1443-001
PLUG		J ANSI	AS-J-M-HTC	XE-9143-001
PLUG		T ANSI	AS-T-M-HTC	XE-1533-001
PLUG		N ANSI	AS-N-M-HTC	XE-1583-001
PLUG		R/S ANSI	AS-R/S-M-HTC	XE-1623-001
PLUG		E ANSI	AS-E-M-HTC	XE-9123-001
SOCKET		K ANSI	AS-K-F-HTC	XE-1444-001
SOCKET		J ANSI	AS-J-F-HTC	XE-9144-001
SOCKET		T ANSI	AS-T-F-HTC	XE-1534-001
SOCKET		N ANSI	AS-N-F-HTC	XE-1584-001
SOCKET		R/S ANSI	AS-R/S-F-HTC	XE-1624-001
SOCKET		E ANSI	AS-E-F-HTC	XE-9124-001

Barrier Terminal Block ANSI



- Colour coded barrier terminal blocks
- Supplied in single, interlocking pairs
- Connections in thermocouple material
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K ANSI		AS-K-BTS	XE-1950-001
J ANSI		AS-J-BTS	XE-1951-001
T ANSI		AS-T-BTS	XE-1952-001
R/S ANSI		AS-R/S-BTS	XE-1953-001
Cu		AS-CU-BTS	XE-1954-001

Miniature Thermocouple Connectors, JIS

Miniature Thermocouple Plug JIS



- Miniature connector with flat plug pins
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-M	XE-9150-001
J JIS		JM-J-M	XE-9170-001
T JIS		JM-T-M	XE-9250-001
R/S JIS		JM-R/S-M	XE-9190-001
B JIS		JM-B-M	XE-9210-001
E JIS		JM-E-M	XE-9230-001
Cu		FMTC-CU-M	XE-1370-001

Miniature Thermocouple In-Line Socket JIS



- Miniature socket with thermocouple contacts
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-FS	XE-9152-001
J JIS		JM-J-FS	XE-9172-001
T JIS		JM-T-FS	XE-9252-001
R/S JIS		JM-R/S-FS	XE-9192-001
B JIS		JM-B-FS	XE-9212-001
E JIS		JM-E-FS	XE-9232-001
Cu		FMTC-CU-FS	XE-1372-001

Miniature Quick Wire Thermocouple Plug JIS



- Miniature connector with flat plug pins
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-MQ	XE-9162-001
J JIS		JM-J-MQ	XE-9182-001
T JIS		JM-T-MQ	XE-9262-001
R/S JIS		JM-R/S-MQ	XE-9202-001
B JIS		JM-B-MQ	XE-9222-001
E JIS		JM-E-MQ	XE-9242-001
Cu		FMTC-CU-MQ	XE-1381-001

Miniature Quick Wire Thermocouple Socket JIS



- Miniature socket with thermocouple contacts
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-FQ	XE-9163-001
J JIS		JM-J-FQ	XE-9183-001
T JIS		JM-T-FQ	XE-9263-001
R/S JIS		JM-R/S-FQ	XE-9203-001
B JIS		JM-B-FQ	XE-9223-001
E JIS		JM-E-FQ	XE-9243-001
Cu		FMTC-CU-FQ	XE-1382-001

Miniature Rectangular Fascia Socket JIS



- Panel mounting
- Clip for quick, simple fixing to panel
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-FF	XE-9157-001
J JIS		JM-J-FF	XE-9177-001
T JIS		JM-T-FF	XE-9257-001
R/S JIS		JM-R/S-FF	XE-9197-001
B JIS		JM-B-FF	XE-9217-001
E JIS		JM-E-FF	XE-9237-001
Cu		FMTC-CU-FF	XE-1377-001

Miniature Panel Mount with Stainless Steel Bracket JIS



- Durable panel fitting
- Stainless steel bracket simply fitted to connector
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-SSPF	XE-9158-001
J JIS		JM-J-SSPF	XE-9178-001
T JIS		JM-T-SSPF	XE-9258-001
R/S JIS		JM-R/S-SSPF	XE-9198-001
B JIS		JM-B-SSPF	XE-9218-001
E JIS		JM-E-SSPF	XE-9238-001
Cu		FMTC-CU-SSPF	XE-1378-001







Thermocouple Connectors in JIS Calibration

Miniature Thermocouple Connectors, JIS

Miniature Quick Wire Panel Mount with Stainless Steel Bracket JIS










- Miniature size sockets supplied with stainless steel brackets
- Allow reliable, rugged fitting into panel
- Quick, simple fixing to panel
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-SSPFQ	XE-9159-001
J JIS		JM-J-SSPFQ	XE-9179-001
T JIS		JM-T-SSPFQ	XE-9259-001
R/S JIS		JM-R/S-SSPFQ	XE-9199-001
B JIS		JM-B-SSPFQ	XE-9219-001
E JIS		JM-E-SSPFQ	XE-9239-001

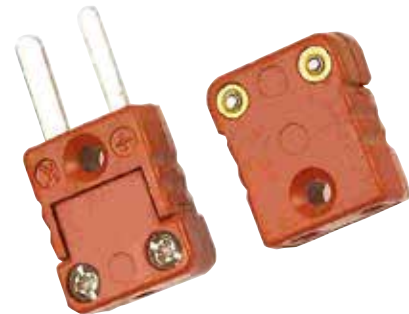
PCB Mounting Thermocouple Socket JIS



- Versatile, high quality circuit board mounting miniature socket
- Specially designed for PCBs
- Solid pins for direct board mounting
- Provision for CJC sensor
- Compatible with flow solder assembly
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JM-K-PCB	XE-9160-001
J JIS		JM-J-PCB	XE-9180-001
T JIS		JM-T-PCB	XE-9260-001
R/S JIS		JM-R/S-PCB	XE-9200-001
B JIS		JM-B-PCB	XE-9220-001
E JIS		JM-E-PCB	XE-9240-001
Cu		FMTC-CU-PCB	XE-1379-001

Miniature Thermocouple Plug & In-Line Socket (Hi-Temp Plastic 425C) JIS, IEC



- High temperature for use up to 425°C
- All connectors have type identification on body
- Heavy duty plastic body
- Miniature size to match with flat pin plug
- Contacts are polarised to prevent incorrect connection
- Colour - Brown

Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	MTC-K-M-HTP	XE-1156-001
PLUG	J	MTC-J-M-HTP	XE-1186-001
SOCKET	K	MTC-K-F-HTP	XE-1157-001
SOCKET	J	MTC-J-F-HTP	XE-1187-001

Standard Thermocouple Connectors, JIS

Standard Thermocouple Plug JIS



- Standard connector with solid, round plug pins
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-M	XE-9279-001
J JIS		JS-J-M	XE-9290-001
T JIS		JS-T-M	XE-9370-001
R/S JIS		JS-R/S-M	XE-9310-001
B JIS		JS-B-M	XE-9330-001
E JIS		JS-E-M	XE-9350-001
Cu		FSTC-CU-M	XE-1670-001

Standard Quick Wire Thermocouple Socket JIS



- Standard socket with thermocouple contacts
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-FQ	XE-9283-001
J JIS		JS-J-FQ	XE-9303-001
T JIS		JS-T-FQ	XE-9383-001
R/S JIS		JS-R/S-FQ	XE-9323-001
B JIS		JS-B-FQ	XE-9343-001
E JIS		JS-E-FQ	XE-9363-001
Cu		FSTC-CU-FQ	XE-1682-001

Standard Thermocouple In-Line Socket JIS



- Standard socket with thermocouple contacts
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-F	XE-9272-001
J JIS		JS-J-F	XE-9292-001
T JIS		JS-T-F	XE-9372-001
R/S JIS		JS-R/S-F	XE-9312-001
B JIS		JS-B-F	XE-9332-001
E JIS		JS-E-F	XE-9352-001
Cu		FSTC-CU-F	XE-1672-001

Standard Rectangular Fascia Socket JIS



- Panel mounting
- Clip for quick, simple fixing to panel
- Max temperature 120°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-FF	XE-9277-001
J JIS		JS-J-FF	XE-9297-001
T JIS		JS-T-FF	XE-9377-001
R/S JIS		JS-R/S-FF	XE-9317-001
B JIS		JS-B-FF	XE-9337-001
E JIS		JS-E-FF	XE-9357-001
Cu		FSTC-CU-FF	XE-1677-001

Standard Quick Wire Thermocouple Plug JIS



- Standard connector with solid, round plug pins
- Easy 'jab-in' connection for rapid termination
- Just push-in wire & tighten screw
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-MQ	XE-9282-001
J JIS		JS-J-MQ	XE-9302-001
T JIS		JS-T-MQ	XE-9382-001
R/S JIS		JS-R/S-MQ	XE-9322-001
B JIS		JS-B-MQ	XE-9342-001
E JIS		JS-E-MQ	XE-9362-001
Cu		FSTC-CU-MQ	XE-1681-001

Standard Panel Mount with Stainless Steel Bracket JIS



- Durable panel mounting
- Stainless steel bracket simply fitted to connector
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-SSPF	XE-9278-001
J JIS		JS-J-SSPF	XE-9298-001
T JIS		JS-T-SSPF	XE-9378-001
R/S JIS		JS-R/S-SSPF	XE-9318-001
B JIS		JS-B-SSPF	XE-9338-001
E JIS		JS-E-SSPF	XE-9358-001







Thermocouple Connectors in JIS Calibration

Standard Thermocouple Connectors, JIS

Standard Quick Wire Panel Mount with Stainless Steel Bracket JIS



- Standard size sockets supplied with stainless steel brackets
- Allow reliable, rugged fitting into panel
- Quick, simple fixing to panel
- Maximum continuous operating temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-SSPFQ	XE-9279-001
J JIS		JS-J-SSPFQ	XE-9299-001
T JIS		JS-T-SSPFQ	XE-9379-001
R/S JIS		JS-R/S-SSPFQ	XE-9319-001
B JIS		JS-B-SSPFQ	XE-9339-001
E JIS		JS-E-SSPFQ	XE-9359-001

Standard Thermocouple Plug & In-Line Socket (Hi-Temp Plastic 425°C)

















- Available in Standard format
- High temperature for use up to 425°C
- Heavy duty plastic body
- Standard size to match with round pin plug
- Contacts are polarised to prevent incorrect connection
- Colour: Brown

Standard Thermocouple Plugs & Sockets – Duplex JIS



- Duplex (2-channel) standard connector with solid, round plug pins
- Suitable for industrial applications
- Contacts are polarised to prevent incorrect connection
- Max temperature 220°C






Connector Type	Calibration Type	Product Code	Part Number
PLUG	K	STC-K-M-HTP	XE-1420-001
PLUG	J	STC-J-M-HTP	XE-1486-001
PLUG	N	STC-N-M-HTP	XE-1568-001
PLUG	R/S	STC-R/S-M-HTP	XE-1608-001
SOCKET	K	STC-K-F-HTP	XE-1422-001
SOCKET	J	STC-J-F-HTP	XE-1487-001
SOCKET	N	STC-N-F-HTP	XE-1569-001
SOCKET	R/S	STC-R/S-F-HTP	XE-1609-001

Type	Calibration Type	Colour	Product Code	Part Number
PLUG	K JIS		JS-K-MD	XE-9286-001
PLUG	J JIS		JS-J-MD	XE-9306-001
PLUG	T JIS		JS-T-MD	XE-9386-001
PLUG	R/S JIS		JS-R/S-MD	XE-9326-001
PLUG	B JIS		JS-B-MD	XE-9346-001
PLUG	E JIS		JS-E-MD	XE-9366-001
PLUG	Cu		FSTC-CU-MD	XE-1686-001
SOCKET	K JIS		JS-K-FD	XE-9287-001
SOCKET	J JIS		JS-J-FD	XE-9307-001
SOCKET	T JIS		JS-T-FD	XE-9387-001
SOCKET	R/S JIS		JS-R/S-FD	XE-9327-001
SOCKET	B JIS		JS-B-FD	XE-9347-001
SOCKET	E JIS		JS-E-FD	XE-9367-001
SOCKET	Cu		FSTC-CU-FD	XE-1687-001

Barrier Terminal Block JIS



- Colour coded barrier terminal blocks
- Supplied in single, interlocking pairs
- Connections in thermocouple material
- Max temperature 220°C

Calibration Type	Colour	Product Code	Part Number
K JIS		JS-K-BTS	XE-1960-001
J JIS		JS-J-BTS	XE-1961-001
T JIS		JS-T-BTS	XE-1962-001
R/S JIS		JS-R/S-BTS	XE-1963-001
Cu		JS-CU-BTS	XE-1964-001

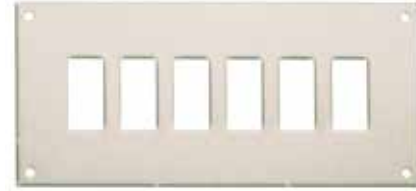
Panels for Miniature Fascia Sockets (Type FF)



- Flat aluminium panel
 - Suitable for miniature fascia sockets (type FF)
- Formula for dimensions:
- Length = $(N \times 15) + 25\text{mm}$ (N = number of ways per row)
 - Height = 45mm (single row), 75mm (double row)
 - Up to 12 ways in a single row, 16 to 24 ways in two rows

No. of Ways	Dimensions	Product Code	Part Number
1 WAY	H45mm x W40mm	FMP-1	XE-1701-001
2 WAY	H45mm x W55mm	FMP-2	XE-1702-001
3 WAY	H45mm x W70mm	FMP-3	XE-1703-001
4 WAY	H45mm x W85mm	FMP-4	XE-1704-001
5 WAY	H45mm x W100mm	FMP-5	XE-1705-001
6 WAY	H45mm x W115mm	FMP-6	XE-1706-001
8 WAY	H45mm x W145mm	FMP-8	XE-1707-001
10 WAY	H45mm x W175mm	FMP-10	XE-1708-001
12 WAY	H45mm x W205mm	FMP-12	XE-1709-001
16 WAY	H75mm x W145mm	FMP-16	XE-1710-001
18 WAY	H75mm x W160mm	FMP-18	XE-1711-001
20 WAY	H75mm x W175mm	FMP-20	XE-1712-001
24 WAY	H75mm x W205mm	FMP-24	XE-1713-001

Panels for Standard Fascia Sockets (Type FF)



- Flat aluminium panel
 - Suitable for miniature fascia sockets (type FF)
- Formula for dimensions:
- Length = $(N \times 19) + 31\text{mm}$ (N = number of ways per row)
 - Height = 66mm (single row), 111mm (double row)
 - Up to 12 ways in a single row, 16 to 24 ways in two rows

No. of Ways	Dimensions	Product Code	Part Number
1 WAY	H66mm x W50mm	FSP-1	XE-1801-001
2 WAY	H66mm x W69mm	FSP-2	XE-1802-001
3 WAY	H66mm x W88mm	FSP-3	XE-1803-001
4 WAY	H66mm x W107mm	FSP-4	XE-1804-001
5 WAY	H66mm x W126mm	FSP-5	XE-1805-001
6 WAY	H66mm x W145mm	FSP-6	XE-1806-001
8 WAY	H66mm x W183mm	FSP-8	XE-1807-001
10 WAY	H66mm x W221mm	FSP-10	XE-1808-001
12 WAY	H66mm x W259mm	FSP-12	XE-1809-001
16 WAY	H111mm x W183mm	FSP-16	XE-1810-001
18 WAY	H111mm x W202mm	FSP-18	XE-1811-001
20 WAY	H111mm x W221mm	FSP-20	XE-1812-001
24 WAY	H111mm x W259mm	FSP-24	XE-1813-001

Panels for Miniature Sockets with Stainless Steel Fascia Bracket (SSPF)



- Flat aluminium panel
 - Suitable for miniature sockets with stainless steel fascia bracket (SSPF)
- 2 Way: Dimensions - H45mm x W55mm
 - 4 Way: Dimensions - H45mm x W85mm
 - 6 Way: Dimensions - H45mm x W115mm
 - 12 Way: Dimensions - H45mm x W205mm

No. of Ways	Product Code	Part Number
2 WAY	FMP-2-SSPF	XE-1722-001
4 WAY	FMP-4-SSPF	XE-1724-001
6 WAY	FMP-6-SSPF	XE-1726-001
12 WAY	FMP-12-SSPF	XE-1729-001

Panels for Standard Sockets with S-Steel Fascia Bracket (SSPF)



- Flat aluminium panel
 - Suitable for standard sockets with stainless steel fascia bracket (SSPF)
- 2 Way: Dimensions - H66mm x W69mm
 - 4 Way: Dimensions - H66mm x W107mm
 - 6 Way: Dimensions - H66mm x W145mm
 - 12 Way: Dimensions - H66mm x W259mm

No. of Ways	Product Code	Part Number
2 WAY	FSP-2-SSPF	XE-1822-001
4 WAY	FSP-4-SSPF	XE-1824-001
6 WAY	FSP-6-SSPF	XE-1826-001
12 WAY	FSP-12-SSPF	XE-1829-001

Thermocouple Connectors Accessories

Thermocouple Input Adapter



- Thermocouple input adapter for use with many types of meters and digital thermometers
- Male banana plug connection to miniature flat pin socket
- Banana plug pins 0.75" between centres
- Allows connection of thermocouples fitted with miniature flat pin plug
- Contacts are uncompensated for use with any thermocouple type
- One piece moulded construction

Description	Part Number
Thermocouple Input Adapter	XE-1878-001

Thermocouple Cable Clamps



- Best suited for securing flexible lead wires
- Available for miniature & standard plugs and sockets

Type	Product Code	Part Number
External Miniature	FMTC-EXCL	XE-1760-001
External Standard	FSTC-EXCL	XE-1880-001
External Duplex	FSTC-D-EXCL	XE-1915-001
Internal Duplex	FSTC-D-ADPL-CL	XE-1916-001

Panel Blanking Sockets



- Used for blanking off unused panel cut-outs
- Available for miniature or standard panels using (FF) style panel sockets
- Colour: black

Product Code	Type	Part Number
MPC-FF-BLANK	Miniature	XE-1776-001
SPC-FF-BLANK	Standard	XE-1896-001

Crimp on Brass Probe Supports



- Crimp on Brass Support Probe
- For Miniature or Standard Thermocouple Connectors

Cable Tidy Thermocouple with Fitted Miniature Plug IEC



A complete, precision fine wire, high sensitivity thermocouple with a fitted miniature connector

- Quick and easy integral storage of the thermocouple
- Type K thermocouple 2 metres long IEC
- Class 1 wire for high accuracy
- PFA insulated wire, 0.2mm conductors
- Rated 220°C continuous
- Ideal & convenient for scientific and industrial test & measurement

Type	Length	Part Number
K	2m	XE-7028-001

Type	Size	Product Code	Part Number
Miniature	0.5mm	FMTC-XBI-0.5	XE-1715-001
Miniature	1.0mm	FMTC-XBI-1.0	XE-1716-001
Miniature	1.5mm	FMTC-XBI-1.5	XE-1717-001
Miniature	3.0mm	FMTC-XBI-3.0	XE-1718-001
Miniature	Blank	FMTC-XBI-BLANK	XE-1719-001
Standard	1.0mm	FSTC-BCA-1.0	XE-1900-001
Standard	1.5mm	FSTC-BCA-1.5	XE-1901-001
Standard	2.0mm	FSTC-BCA-2.0	XE-1902-001
Standard	2.4mm	FSTC-BCA-2.4	XE-1903-001
Standard	3.0mm	FSTC-BCA-3.0	XE-1904-001
Standard	4.5mm	FSTC-BCA-4.5	XE-1905-001
Standard	6.0mm	FSTC-BCA-6.0	XE-1906-001
Standard	Blank	FSTC-BCA-BLANK	XE-1907-001

Strain Relief Grommet



- Strain Relief Grommet for Miniature Connectors

Product Code	Part Number
FMTC-SRG	XE-1882-001

Compression Cable Clamp – Standard



- Compression Cable Clamp
- Suitable only for Standard Thermocouple Connectors

Product Code	Part Number
FSTC-CL	XE-1888-001

Braze on Brass Probe Support – Standard



- Braze on Brass Probe Support
- For Standard Thermocouple Connectors only

Type	Product Code	Part Number
1.5mm	FSTC-BI-1.5	XE-1918-001
2.0mm	FSTC-BI-2.0	XE-1919-001
3.0mm	FSTC-BI-3.0	XE-1920-001
4.5mm	FSTC-BI-4.5	XE-1921-001
6.0mm	FSTC-BI-6.0	XE-1922-001

Tube Adaptors – Duplex



- Tube Adaptors
- For Duplex Connectors

Size	Product Code	Part Number
3.0mm	FSTC-D-TA-3.0	XE-1928-001
4.5mm	FSTC-D-TA-4.5	XE-1929-001
6.0mm	FSTC-D-TA-6.0	XE-1930-001

Braze on Probe Support – Duplex



- Braze on Probe Support
- For Duplex Connectors

Size	Product Code	Part Number
3.0mm	FSTC-D-BAD-3.0	XE-1924-001
4.5mm	FSTC-D-BAD-4.5	XE-1925-001
6.0mm	FSTC-D-BAD-6.0	XE-1926-001

Cable Strain Relief Washers



- Cable Strain Relief Washers
- Available in Miniature or Standard
- Washers come in packs of 100

Product Code	Type	No. per pack	Part Number
FMTC-SRW	Miniature	100	XE-1885-001
FSTC-SRW	Standard	100	XE-1886-001

Spare Nylon Clip



- Spare Nylon Clips
- For Fascia Sockets
- Available for Miniature and Standard Connectors

Product Code	Type	Part Number
FMTC-FFPC	Miniature	XE-1860-001
FSTC-FFPC	Standard	XE-1861-001

Thermocouple Connectors Accessories

Rubber Boot



- Rubber Boots for Connectors
- Miniature and Standard available

Product Code	Size	Part Number
FMTC-RB	Miniature	XE-1874-001
FSTC-RB	Standard	XE-1875-001

Thermocouple Spade Terminals



- Crimp-on spade terminals
- Suitable for IEC, ANSI and JIS calibration types
- Made from compatible thermocouple material
- Thermocouple type stamped on terminal
- Suits Labfacility & other barrier terminals
- For wire sizes 0.5 to 1.0 mm
- Supplied in packs of 20 pairs

Calibration Type	Suitable for	Product Code	Part Number
K	IEC, ANSI, JIS	TST-K (TST-CH+TST-AL)	XE-1982-020
J	IEC, ANSI, JIS	TST-J (TST-IR+TST-CO)	XE-1985-020
T	IEC, ANSI, JIS	TST-T (TST-CP+TST-CO)	XE-1983-020
R/S	IEC, ANSI, JIS	TST-RS (TST-CP+TST-II)	XE-1984-020
Cu	IEC, ANSI, JIS	TST-CU (TST-CP+TST-CP)	XE-1986-020

Spare Stainless-Steel Clip



- Spare Clips (Brackets)
- Stainless Steel construction
- Available for Miniature and Standard Connectors

Product Code	Size	Part Number
FMTC-SSPF	Miniature	XE-1863-001
FSTC-SSPF	Standard	XE-1864-001

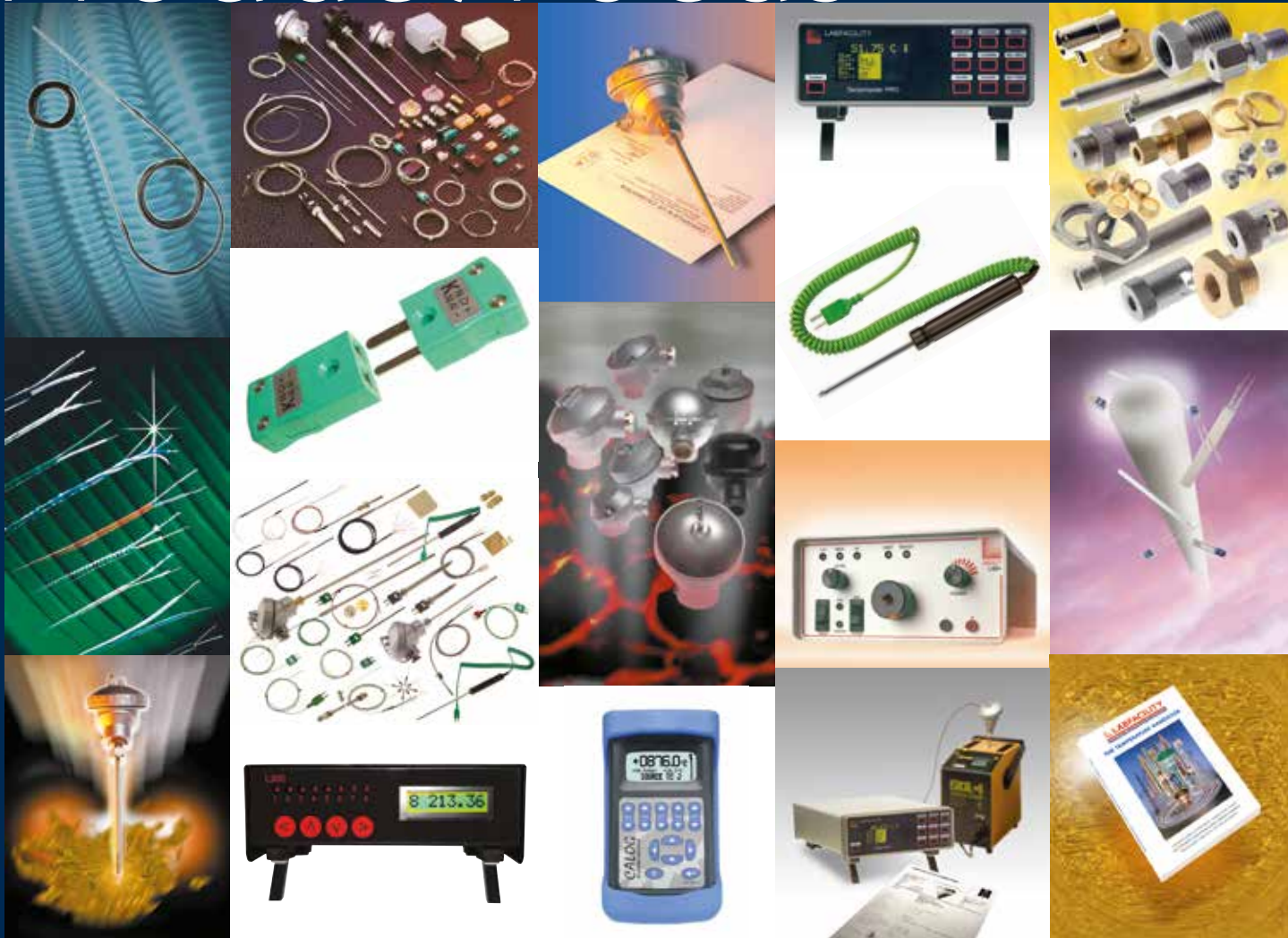
Cable Tidy



- Cable Tidy
- For Miniature Connectors

Product Code	Part Number
FMTC-CT	XE-1877-001

Product Focus



Europe's largest Range of Temperature Sensors

- Industrial & laboratory thermocouple & PRT probes in configurations to suit any application, ranges from -200°C to 1700°C
- Custom design versions available
- Transmitter-in-head options
- Pt100 elements & thermistors
- Probe fittings & accessories
- Hand held probes

The Best in Thermocouple Connectors

- Full range of thermocouple connectors – high quality plugs and sockets in IEC 584, ANSI, JIS, and other versions
- Comprehensive range of fittings and accessories including mounting panels

Wide Range of High Quality Thermocouple & PRT Cables

- Extension and compensating cables – a wide range of insulation types and configurations in IEC 584 and BS 1843 colours including PFA, PTFE, PVC and fibreglass

Market Leading Temperature & Process Instrumentation

- Precision digital thermometers
- Multi function digital thermometers
- Calibrators
- Multi-way switches
- Transmitters
- Controllers & Indicators
- Loggers and Scanners
- Digital test Meters

Equipment & Component Parts For Sensor Manufacturers

- Compact thermocouple welder and microwelder
- MI cables, stainless steel sheaths, pots and fittings
- Terminal heads & blocks

Versatile Dry Block Calibrators

- Accurate, stable portable calibrators for -10°C to 1200°C to suit industrial & scientific temperature sensors

And our indispensable Temperature Handbook...

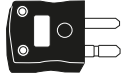
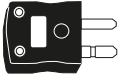
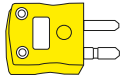
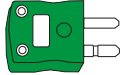
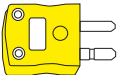
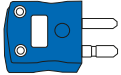
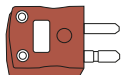
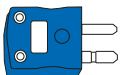
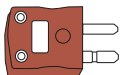
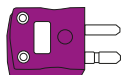
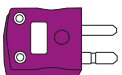
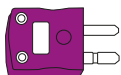
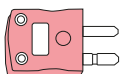
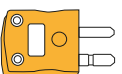
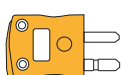
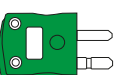
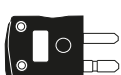
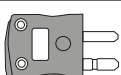
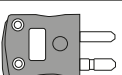
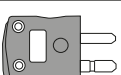
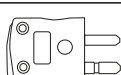
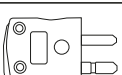
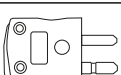
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INTERNATIONAL THERMOCOUPLE COLOUR CODES FOR CONNECTOR BODIES

TYPE	IEC 584-3	ANSI/ASTME E-230	JIS C 1610	TYPE
J				J
K				K
T				T
E				E
N				N
R/S				R/S
B				B
Cu Copper				Cu Copper

All Labfacility connectors use true thermocouple alloys for optimum accuracy except for Type R, S & B which use compensating alloys

A full range of standard & miniature connectors in these colour codes is available to buy on-line www.labfacility.com

All technical information published in this brochure is for guidance and not necessarily definitive. All dimensions stated are nominal. Product availability & specifications may be subject to change. E & OE

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